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Key word index

ACTH secretion
Loop diuretics; $Na^+/K^+/Cl^-$ co-transport; AtT-20 corticotrophs (Heisler, S. (208) 131)

Adenylate cyclase
Thrombin; U937 cells; Platelets (human); Intracellular Ca^{2+}; Thromboxane B_2; Inositol trisphosphate (Joseph, S. (208) 149)

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Morphine exposure (chronic); μ Opioid receptors; Dopamine D_1 receptors; β-Adrenoceptors; Striatal neurons (Van Vliet, B.J. (208) 105)

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ATP depletion; Deoxyglucose; Noradrenaline; β-Adrenoceptor; Cardiomyocytes (Wagenknecht, B. (208) 261)

α_1-Adrenoceptor
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Cl^- current
Angiotensin II receptor; Receptor localization; Oocyte (*Xenopus laevis*); Phosphatidylinositol hydrolysis; Fertilization potential (Sakuta, H. (208) 31)

Computer simulations
9-Amino-1,2,3,4-tetrahydroacridine (THA); Ion channels; Myelinated nerve fiber; Voltage-clamp experiment; Alzheimer's disease (Elinder, F. (208) 1)

Cyclic AMP
SH-SY5Y; IMR 32 human neuroblastoma cells; Muscarinic M_1, M_2, M_3 receptors; Ca^{2+} mobilization (Heikkilä, J. (208) 9)

Mesenteric artery; Cyclic nucleotide phosphodiesterase (inhibitor); Cyclic GMP; (Rat) (Komas, N. (208) 85)

Cyclic GMP
Mesenteric artery; Cyclic nucleotide phosphodiesterase (inhibitor); Cyclic AMP; (Rat) (Komas, N. (208) 85)

Cyclic nucleotide phosphodiesterase (inhibitor)
Mesenteric artery; Cyclic AMP; Cyclic GMP; (Rat) (Komas, N. (208) 85)

Deoxyglucose
ATP depletion; Noradrenaline; β-Adrenoceptor; Adenylyl cyclase; Cardiomyocytes (Wagenknecht, B. (208) 261)

Dephosphorylation
Desensitization; Sensitization; Muscarinic receptor (*Xenopus* oocyte); Phosphorylation; Protein kinase C; Protein phosphatase 2B; Phorbol ester; Staurosporine; Trifluoperazine (Sakuta, H. (208) 297)

Desensitization
Angiotensin II receptor; Staurosporine; Protein kinase; Oocyte (*Xenopus laevis*); Phorbol ester; Phosphatidylinositol hydrolysis (Sakuta, H. (208) 41)

Endothelium; Phosphoinositides; Arachidonic acid; Prostacyclin (Halldórsson, H. (208) 193)

Sensitization; Muscarinic receptor (*Xenopus* oocyte); Phosphorylation; Dephosphorylation; Protein kinase C; Protein phosphatase 2B; Phorbol ester; Staurosporine; Trifluoperazine (Sakuta, H. (208) 297)

Desensitization (agonist-induced)
α_1-Adrenoceptors; Smooth muscle (vascular); G-protein; Protein kinase C (activation of) (Jagadeesh, G. (208) 163)

Dexamethasone
MC903; 1,25-Dihydroxyvitamin D_3; Nerve growth factor (Jehan, F. (208) 189)

Dextran sulfate
Inositol 1,4,5-trisphosphate; Inositol 1,4,5-trisphosphate receptors; Inositol 1,4,5-trisphosphate phosphatase; Inositol 1,4,5-trisphosphate kinase; Polyvinyl sulfate; Polyanions; Ca^{2+} mobilization (Luong, T.-T. (208) 213)

Diabetes mellitus
Sulphonylureas; Free radical; Microangiopathy (Scott, N.A. (208) 175)

3,5-Dibromo-4-nitrosobenzene sulfonate (DBNBS)
cGMP; N1E-115 neuroblastoma cells; Electron paramagnetic resonance (EPR)/spin trapping; Nitric oxide-containing intermediates; Endothelium-derived relaxing factor (EDRF) (Arroyo, C.M. (208) 157)

Dihydropyridine receptor
Ca^{2+} channels; Protein kinase C; Smooth muscle (venous) (Mironneau, C. (208) 223)

1,4-Dihydropyridines
Ca^{2+} channel activator; Thermodynamics; Kinetics; Radioligand binding; Ca^{2+} (Zheng, W. (208) 137)

1,25-Dihydroxyvitamin D_3
MC903; Dexamethasone; Nerve growth factor (Jehan, F. (208) 189)

Diltiazem
Stereoisomers; Ca^{2+} channel (binding); Allosteric modulation; (+)-[^{3}H]PN200-110 (Ikeda, S. (208) 199)

Dopamine D_1 receptors
Morphine exposure (chronic); μ Opioid receptors; β-Adrenoceptors; Striatal neurons; Adenylate cyclase activity (Van Vliet, B.J. (208) 105)

Electron paramagnetic resonance (EPR)/spin trapping
cGMP; N1E-115 neuroblastoma cells; 3,5-Dibromo-4-nitrosobenzene sulfonate (DBNBS); Nitric oxide-containing intermediates; Endothelium-derived relaxing factor (EDRF) (Arroyo, C.M. (208) 157)

Emopamil
Liver membranes; Ca^{2+} channel antagonists; Na^+ (Zech, C. (208) 119)

Endothelin-3
Inositol phosphates; Endothelin; Renal papillary tubules (Woodcock, E.A. (208) 255)

Inositol phosphates; Endothelin-3; Renal papillary tubules (Woodcock, E.A. (208) 255)

Endothelin receptor subtypes; Inositol phosphate; Vascular effects; Spleen; Kidney; Lung; Spinal cord (Hemsén, A. (208) 313)

Endothelin receptor subtypes
Endothelin; Inositol phosphate; Vascular effects; Spleen; Kidney; Lung; Spinal cord (Hemsén, A. (208) 313)

Endothelium
Desensitization; Phosphoinositides; Arachidonic acid; Prostacyclin (Halldórsson, H. (208) 193)

Endothelium-derived relaxing factor (EDRF)
cGMP; N1E-115 neuroblastoma cells; Electron paramagnetic resonance (EPR)/spin trapping; 3,5-Dibromo-4-nitrosobenzene sulfonate (DBNBS); Nitric oxide-containing intermediates (Arroyo, C.M. (208) 157)

Excitatory amino acids
Glycine; N-Methyl-D-aspartate (NMDA); 1-Hydroxy-3-amino-pyrrolid-2-one (HA-966); Spermine; Polyamines (Pullan, L.M. (208) 25)

Fertilization potential
Angiotensin II receptor; Receptor localization; Oocyte (*Xenopus laevis*); Phosphatidylinositol hydrolysis; Cl^- current (Sakuta, H. (208) 31)

Formyl peptide receptor
G protein; Nucleoside diphosphokinase; (HL 60 cells) (Wieland, T. (208) 17)

Free radical
Sulphonylureas; Diabetes mellitus; Microangiopathy (Scott, N.A. (208) 175)

Frontal cortex (human)
5-HT_{1A} receptors; α_2-Adrenoceptors; Radioligand binding; [^{3}H]Rauwolscine (De Vos, H. (208) 73)

$GABA_A$ receptor binding
GABA receptors; $GABA_A$ receptor subunits; α_1 $GABA_A$ receptor subunit mRNA (Mhatre, M.C. (208) 171)

GABA receptors
$GABA_A$ receptor subunits; $GABA_A$ receptor binding; α_1 $GABA_A$ receptor subunit mRNA (Mhatre, M.C. (208) 171)

α_1 $GABA_A$ receptor subunit mRNA
GABA receptors; $GABA_A$ receptor subunits; $GABA_A$ receptor binding (Mhatre, M.C. (208) 171)

$GABA_A$ receptor subunits
GABA receptors; $GABA_A$ receptor binding; α_1 $GABA_A$ receptor subunit mRNA (Mhatre, M.C. (208) 171)

Glutamate
2-Amino-5-phosphonoheptanoic acid (AP-7); N-Methyl-D-aspartate (NMDA); Proline binding (Cordero, M.L. (208) 179)

2-Amino-7-phosphonoheptanoic acid (AP-7); NMDA (N-methyl-D-aspartate); Proline binding (Cordero, M.L. (208) 337)

Glycine
N-Methyl-D-aspartate (NMDA); 1-Hydroxy-3-amino-pyrrolid-2-one (HA-966); Spermine; Excitatory amino acids; Polyamines (Pullan, L.M. (208) 25)

N-Methyl-D-aspartate (NMDA); Ifenprodil; Polyamines (Ransom, R.W. (208) 67)

cGMP
N1E-115 neuroblastoma cells; Electron paramagnetic resonance (EPR)/spin trapping; 3,5-Dibromo-4-nitrosobenzene sulfonate (DBNBS); Nitric oxide-containing intermediates; Endothelium-derived relaxing factor (EDRF) (Arroyo, C.M. (208) 157)

α_1-Adrenoceptor; β_1-Adrenoceptor; Muscarinic acetylcholine receptor; cAMP; Oxygen consumption; Parotid gland (rat); Sialogogues (Glenert, U. (208) 287)

G-protein
Formyl peptide receptor; Nucleoside diphosphokinase; (HL 60 cells) (Wieland, T. (208) 17)

α_1-Adrenoceptors; Smooth muscle (vascular); Desensitization (agonist-induced); Protein kinase C (activation of) (Jagadeesh, G. (208) 163)

GTP-binding proteins
Heart (isolated, perfused); Ischemic myocardium; Adenylate cyclase (Tobise, K. (208) 183)

Guanine nucleotides
Angiotensin receptor; Sympathetic ganglia; Autoradiography; Inositol phosphates; Angiotensin receptor antagonist (Strömberg, C. (208) 331)

Heart (isolated, perfused)
Ischemic myocardium; GTP-binding proteins; Adenylate cyclase (Tobise, K. (208) 183)

Hippocampus
α_1-Adrenoceptors; Prazosin; SZL 49; Norepinephrine; Liver (Mante, S. (208) 113)

Histamine
Histamine H_2 receptor; Astrocytes (type 1); cAMP; (Rat) (Kubo, A. (208) 249)

Trifluoperazine; Histamine H_1 receptor; Phosphoinositide hydrolysis (Nakahata, N. (208) 265)

Histamine H_1 receptor
Trifluoperazine; Histamine; Phosphoinositide hydrolysis (Nakahata, N. (208) 265)

Histamine H_2 receptor
Histamine; Astrocytes (type 1); cAMP; (Rat) (Kubo, A. (208) 249)

5-HT_{1A} receptors
α_2-Adrenoceptors; Frontal cortex (human); Radioligand binding; [^{3}H]Rauwolscine (De Vos, H. (208) 73)

1-Hydroxy-3-amino-pyrrolid-2-one (HA-966)
Glycine; N-Methyl-D-aspartate (NMDA); Spermine; Excitatory amino acids; Polyamines (Pullan, L.M. (208) 25)

Idazoxan
Imidazoline; Mitochondria; Cerebral cortex; (Rabbit) (Tesson, F. (208) 81)

Ifenprodil
N-Methyl-D-aspartate (NMDA); Polyamines; Glycine (Ransom, R.W. (208) 67)

Imidazoline
Idazoxan; Mitochondria; Cerebral cortex; (Rabbit) (Tesson, F. (208) 81)

IMR 32 human neuroblastoma cells
SH-SY5Y; Muscarinic M_1, M_2, M_3 receptors; Ca^{2+} mobilization; Cyclic AMP (Heikkilä, J. (208) 9)

Inositol phosphates
Ca^{2+}; α_1-Adrenoceptors; Muscarinic cholinergic receptors; Phospholipase C; Norepinephrine (Wigginton, S.A. (208) 239)

Endothelin; Endothelin-3; Renal papillary tubules (Woodcock, E.A. (208) 255)

Endothelin; Endothelin receptor subtypes; Vascular effects; Spleen; Kidney; Lung; Spinal cord (Hemsén, A. (208) 313)

Angiotensin receptor; Sympathetic ganglia; Autoradiography; Guanine nucleotides; Angiotensin receptor antagonist (Strömberg, C. (208) 331)

Inositol 1,4,5-triphosphate
Angiotensin II; Smooth muscle (vascular); Spontaneously hypertensive rat (SHR) (Minami, M. (208) 93)

Inositol trisphosphate
Thrombin; U937 cells; Platelets (human); Intracellular Ca^{2+}; Thromboxane B_2; Adenylate cyclase (Joseph, S. (208) 149)

Inositol 1,4,5-trisphosphate
Inositol 1,4,5-trisphosphate receptors; Inositol 1,4,5-trisphosphate phosphatase; Inositol 1,4,5-trisphosphate kinase; Polyvinyl sulfate; Dextran sulfate; Polyanions; Ca^{2+} mobilization (Luong, T.-T. (208) 213)

Inositol 1,4,5-trisphosphate kinase
Inositol 1,4,5-trisphosphate; Inositol 1,4,5-trisphosphate receptors; Inositol 1,4,5-trisphosphate phosphatase; Polyvinyl sulfate; Dextran sulfate; Polyanions; Ca^{2+} mobilization (Luong, T.-T. (208) 213)

Inositol 1,4,5-trisphosphate phosphatase
Inositol 1,4,5-trisphosphate; Inositol 1,4,5-trisphosphate receptors; Inositol 1,4,5-trisphosphate kinase; Polyvinyl sulfate; Dextran sulfate; Polyanions; Ca^{2+} mobilization (Luong, T.-T. (208) 213)

Inositol 1,4,5-trisphosphate receptors
Inositol 1,4,5-trisphosphate; Inositol 1,4,5-trisphosphate phosphatase; Inositol 1,4,5-trisphosphate kinase; Polyvinyl sulfate; Dextran sulfate; Polyanions; Ca^{2+} mobilization (Luong, T.-T. (208) 213)

Inotropic effect
Aging; Ventricular muscle; α-Adrenoceptor stimulation; [^{3}H]Prazosin; Steady state α_1-adrenoceptor mRNA levels; Methoxamine; (F344 rat) (Kimball, K.A. (208) 231)

Intracellular Ca^{2+}
Thrombin; U937 cells; Platelets (human); Thromboxane B_2; Adenylate cyclase; Inositol trisphosphate (Joseph, S. (208) 149)

Ion channels
9-Amino-1,2,3,4-tetrahydroacridine (THA); Myelinated nerve fiber; Voltage-clamp experiment; Computer simulations; Alzheimer's disease (Elinder, F. (208) 1)

Ischemic myocardium
Heart (isolated, perfused); GTP-binding proteins; Adenylate cyclase (Tobise, K. (208) 183)

Kidney
Endothelin; Endothelin receptor subtypes; Inositol phosphate; Vascular effects; Spleen; Lung; Spinal cord (Hemsén, A. (208) 313)

Kinetics
1,4-Dihydropyridines; Ca^{2+} channel activator; Thermodynamics; Radioligand binding; Ca^{2+} (Zheng, W. (208) 137)

Lipid bilayer
Propofol; Na^+ channel; Brain (human); Voltage clamp; (Mechanism of action) (Frenkel, C. (208) 75)

Liver
α_1-Adrenoceptors; Prazosin; SZL 49; Norepinephrine; Hippocampus (Mante, S. (208) 113)

β-Adrenoceptors; Ageing; Adenylate cyclase; Propranolol; Receptor upregulation (Conlon, D. (208) 323)

Liver membranes
Emopamil; Ca^{2+} channel antagonists; Na^+ (Zech, C. (208) 119)

Liver (rat)
Loop diuretics; Organic anions; Bumetanide (transport); Sinusoidal plasma membrane; Photoaffinity labeling; Bile acid (Petzinger, E. (208) 53)

Loop diuretics
Organic anions; Bumetanide (transport); Sinusoidal plasma membrane; Liver (rat); Photoaffinity labeling; Bile acid (Petzinger, E. (208) 53)

$Na^+/K^+/Cl^-$ co-transport; ACTH secretion; AtT-20 corticotrophs (Heisler, S. (208) 131)

Low-affinity MK-801 sites
MK-801; NMDA receptor; NMDA receptor coupling; NMDA receptor antagonist (Ebert, B. (208) 49)

Lung
Endothelin; Endothelin receptor subtypes; Inositol phosphate; Vascular effects; Spleen; Kidney; Spinal cord (Hemsén, A. (208) 313)

MC903
1,25-Dihydroxyvitamin D_3; Dexamethasone; Nerve growth factor (Jehan, F. (208) 189)

Mesenteric artery
Cyclic nucleotide phosphodiesterase (inhibitor); Cyclic AMP; Cyclic GMP; (Rat) (Komas, N. (208) 85)

Methoxamine
Aging; Ventricular muscle; Inotropic effect; α-Adrenoceptor stimulation; [^{3}H]Prazosin; Steady state α_1-adrenoceptor mRNA levels; (F344 rat) (Kimball, K.A. (208) 231)

N-Methyl-D-aspartate (NMDA)
Glycine; 1-Hydroxy-3-amino-pyrrolid-2-one (HA-966); Spermine; Excitatory amino acids; Polyamines (Pullan, L.M. (208) 25)

Ifenprodil; Polyamines; Glycine (Ransom, R.W. (208) 67)

2-Amino-5-phosphonoheptanoic acid (AP-7); Proline binding; Glutamate (Cordero, M.L. (208) 179)

Microangiopathy
Sulphonylureas; Free radical; Diabetes mellitus (Scott, N.A. (208) 175)

Mitochondria
Idazoxan; Imidazoline; Cerebral cortex; (Rabbit) (Tesson, F. (208) 81)

MK-801
Low-affinity MK-801 sites; NMDA receptor; NMDA receptor coupling; NMDA receptor antagonist (Ebert, B. (208) 49)

Monoamine oxidase
MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine); MPP^+ (1-methyl-4-phenylpyridinium cation); Parkinson's disease; Neurotoxin; Calcium homeostasis (Gerlach, M. (208) 273)

Morphine exposure (chronic)
μ Opioid receptors; Dopamine D_1 receptors; β-Adrenoceptors; Striatal neurons; Adenylate cyclase activity (Van Vliet, B.J. (208) 105)

Morphine treatment (chronic)
Adenylate cyclase activity; μ Opioid receptors; [^{3}H]Noradrenaline release; Brain (neocortex) slices (De Vries, T.J. (208) 97)

MPP^+ (1-methyl-4-phenylpyridinium cation)
MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine); Parkinson's disease; Neurotoxin; Monoamine oxidase; Calcium homeostasis (Gerlach, M. (208) 273)

MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine)
MPP^+ (1-methyl-4-phenylpyridinium cation); Parkinson's disease; Neurotoxin; Monoamine oxidase; Calcium homeostasis (Gerlach, M. (208) 273)

Muscarinic acetylcholine receptor
α_1-Adrenoceptor; β_1-Adrenoceptor; cAMP; cGMP; Oxygen consumption; Parotid gland (rat); Sialogogues (Glenert, U. (208) 287)

Muscarinic cholinergic receptors
Inositol phosphates; Ca^{2+}; α_1-Adrenoceptors; Phospholipase C; Norepinephrine (Wigginton, S.A. (208) 239)

Muscarinic M_1, M_2, M_3 receptors
SH-SY5Y; IMR 32 human neuroblastoma cells; Ca^{2+} mobilization; Cyclic AMP (Heikkilä, J. (208) 9)

Muscarinic receptor (*Xenopus* oocyte)
Desensitization; Sensitization; Phosphorylation; Dephosphorylation; Protein kinase C; Protein phosphatase 2B; Phorbol ester; Staurosporine; Trifluoperazine (Sakuta, H. (208) 297)

Myelinated nerve fiber
9-Amino-1,2,3,4-tetrahydroacridine (THA); Ion channels; Voltage-clamp experiment; Computer simulations; Alzheimer's disease (Elinder, F. (208) 1)

Na^+
Emopamil; Liver membranes; Ca^{2+} channel antagonists (Zech, C. (208) 119)

Na^+ channel
Propofol; Brain (human); Lipid bilayer; Voltage clamp; (Mechanism of action) (Frenkel, C. (208) 75)

$Na^+/K^+/Cl^-$ co-transport
Loop diuretics; ACTH secretion; AtT-20 corticotrophs (Heisler, S. (208) 131)

N1E-115 neuroblastoma cells
cGMP; Electron paramagnetic resonance (EPR)/spin trapping; 3,5-Dibromo-4-nitrosobenzene sulfonate (DBNBS); Nitric oxide-containing intermediates; Endothelium-derived relaxing factor (EDRF) (Arroyo, C.M. (208) 157)

Nerve growth factor
MC903; 1,25-Dihydroxyvitamin D_3; Dexamethasone (Jehan, F. (208) 189)

Neurotoxin
MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine); MPP^+ (1-methyl-4-phenylpyridinium cation); Parkinson's disease; Monoamine oxidase; Calcium homeostasis (Gerlach, M. (208) 273)

Nitric oxide-containing intermediates
cGMP; N1E-115 neuroblastoma cells; Electron paramagnetic resonance (EPR)/spin trapping; 3,5-Dibromo-4-nitrosobenzene sulfonate (DBNBS); Endothelium-derived relaxing factor (EDRF) (Arroyo, C.M. (208) 157)

NMDA (N-methyl-D-aspartate)
2-Amino-7-phosphonoheptanoic acid (AP-7); Proline binding; Glutamate (Cordero, M.L. (208) 337)

NMDA receptor
MK-801; Low-affinity MK-801 sites; NMDA receptor coupling; NMDA receptor antagonist (Ebert, B. (208) 49)

NMDA receptor antagonist
MK-801; Low-affinity MK-801 sites; NMDA receptor; NMDA receptor coupling (Ebert, B. (208) 49)

NMDA receptor coupling
MK-801; Low-affinity MK-801 sites; NMDA receptor; NMDA receptor antagonist (Ebert, B. (208) 49)

Noradrenaline
ATP depletion; Deoxyglucose; β-Adrenoceptor; Adenylyl cyclase; Cardiomyocytes (Wagenknecht, B. (208) 261)

[^{3}H]Noradrenaline release
Adenylate cyclase activity; Morphine treatment (chronic); μ Opioid receptors; Brain (neocortex) slices (De Vries, T.J. (208) 97)

Norepinephrine
α_1-Adrenoceptors; Prazosin; SZL 49; Hippocampus; Liver (Mante, S. (208) 113)

Inositol phosphates; Ca^{2+}; α_1-Adrenoceptors; Muscarinic cholinergic receptors; Phospholipase C (Wigginton, S.A. (208) 239)

Nucleoside diphosphokinase
Formyl peptide receptor; G protein; (HL 60 cells) (Wieland, T. (208) 17)

Oocyte (*Xenopus laevis*)
Angiotensin II receptor; Receptor localization; Phosphatidylinositol hydrolysis; Cl^- current; Fertilization potential (Sakuta, H. (208) 31)

Angiotensin II receptor; Staurosporine; Desensitization; Protein kinase; Phorbol ester; Phosphatidylinositol hydrolysis (Sakuta, H. (208) 41)

μ Opioid receptors
Adenylate cyclase activity; Morphine treatment (chronic); [^{3}H]-Noradrenaline release; Brain (neocortex) slices (De Vries, T.J. (208) 97)

Morphine exposure (chronic); Dopamine D_1 receptors; β-Adrenoceptors; Striatal neurons; Adenylate cyclase activity (Van Vliet, B.J. (208) 105)

Organic anions
Loop diuretics; Bumetanide (transport); Sinusoidal plasma membrane; Liver (rat); Photoaffinity labeling; Bile acid (Petzinger, E. (208) 53)

Oxygen consumption
α_1-Adrenoceptor; β_1-Adrenoceptor; Muscarinic acetylcholine receptor; cAMP; cGMP; Parotid gland (rat); Sialogogues (Glenert, U. (208) 287)

Parkinson's disease
MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine); MPP^+ (1-methyl-4-phenylpyridinium cation); Neurotoxin; Monoamine oxidase; Calcium homeostasis (Gerlach, M. (208) 273)

Parotid gland (rat)
α_1-Adrenoceptor; β_1-Adrenoceptor; Muscarinic acetylcholine receptor; cAMP; cGMP; Oxygen consumption; Sialogogues (Glenert, U. (208) 287)

Peripheral-type benzodiazepine receptor
Recombinant receptor; Yeast; (Pharmacology) (Riond, J. (208) 307)

Phorbol ester
Angiotensin II receptor; Staurosporine; Desensitization; Protein kinase; Oocyte (*Xenopus laevis*); Phosphatidylinositol hydrolysis (Sakuta, H. (208) 41)

Smooth muscle; α_1-Adrenoceptor; Phospholipase C; Phospholipase D; Protein kinase C (Rapoport, R.M. (208) 89)

Desensitization; Sensitization; Muscarinic receptor (*Xenopus* oocyte); Phosphorylation; Dephosphorylation; Protein kinase C; Protein phosphatase 2B; Staurosporine; Trifluoperazine (Sakuta, H. (208) 297)

Phosphatidylinositol hydrolysis
Angiotensin II receptor; Receptor localization; Oocyte (*Xenopus laevis*); Cl^- current; Fertilization potential (Sakuta, H. (208) 31)

Angiotensin II receptor; Staurosporine; Desensitization; Protein kinase; Oocyte (*Xenopus laevis*); Phorbol ester (Sakuta, H. (208) 41)

Phosphoinositide hydrolysis
Trifluoperazine; Histamine; Histamine H_1 receptor (Nakahata, N. (208) 265)

Phosphoinositides
Endothelium; Desensitization; Arachidonic acid; Prostacyclin (Halldórsson, H. (208) 193)

Phospholipase C
Smooth muscle; α_1-Adrenoceptor; Phospholipase D; Protein kinase C; Phorbol ester (Rapoport, R.M. (208) 89)

Inositol phosphates; Ca^{2+}; α_1-Adrenoceptors; Muscarinic cholinergic receptors; Norepinephrine (Wigginton, S.A. (208) 239)

Phospholipase D
Smooth muscle; α_1-Adrenoceptor; Phospholipase C; Protein kinase C; Phorbol ester (Rapoport, R.M. (208) 89)

Phosphorylation
Desensitization; Sensitization; Muscarinic receptor (*Xenopus* oocyte); Dephosphorylation; Protein kinase C; Protein phosphatase 2B; Phorbol ester; Staurosporine; Trifluoperazine (Sakuta, H. (208) 297)

Photoaffinity labeling
Loop diuretics; Organic anions; Bumetanide (transport); Sinusoidal plasma membrane; Liver (rat); Bile acid (Petzinger, E. (208) 53)

Platelets (human)
Thrombin; U937 cells; Intracellular Ca^{2+}; Thromboxane B_2; Adenylate cyclase; Inositol trisphosphate (Joseph, S. (208) 149)

(+)-[^{3}H]PN200-110
Diltiazem; Stereoisomers; Ca^{2+} channel (binding); Allosteric modulation (Ikeda, S. (208) 199)

Polyamines
Glycine; N-Methyl-D-aspartate (NMDA); 1-Hydroxy-3-amino-pyrrolid-2-one (HA-966); Spermine; Excitatory amino acids (Pullan, L.M. (208) 25)

N-Methyl-D-aspartate (NMDA); Ifenprodil; Glycine (Ransom, R.W. (208) 67)

Polyanions
Inositol 1,4,5-trisphosphate; Inositol 1,4,5-trisphosphate receptors; Inositol 1,4,5-trisphosphate phosphatase; Inositol 1,4,5-trisphosphate kinase; Polyvinyl sulfate; Dextran sulfate; Ca^{2+} mobilization (Luong, T.-T. (208) 213)

Polyvinyl sulfate
Inositol 1,4,5-trisphosphate; Inositol 1,4,5-trisphosphate receptors; Inositol 1,4,5-trisphosphate phosphatase; Inositol 1,4,5-trisphosphate kinase; Dextran sulfate; Polyanions; Ca^{2+} mobilization (Luong, T.-T. (208) 213)

Prazosin
α_1-Adrenoceptors; SZL 49; Norepinephrine; Hippocampus; Liver (Mante, S. (208) 113)

[^{3}H]Prazosin
Aging; Ventricular muscle; Inotropic effect; α-Adrenoceptor stimulation; Steady state α_1-adrenoceptor mRNA levels; Methoxamine; (F344 rat) (Kimball, K.A. (208) 231)

Proline binding
2-Amino-5-phosphonoheptanoic acid (AP-7); N-Methyl-D-aspartate (NMDA); Glutamate (Cordero, M.L. (208) 179)

2-Amino-7-phosphonoheptanoic acid (AP-7); NMDA (N-methyl-D-aspartate); Glutamate (Cordero, M.L. (208) 337)

Propofol
Na^+ channel; Brain (human); Lipid bilayer; Voltage clamp; (Mechanism of action) (Frenkel, C. (208) 75)

Propranolol
β-Adrenoceptors; Ageing; Adenylate cyclase; Liver; Receptor upregulation (Conlon, D. (208) 323)

Prostacyclin
Endothelium; Desensitization; Phosphoinositides; Arachidonic acid (Halldórsson, H. (208) 193)

Protein kinase
Angiotensin II receptor; Staurosporine; Desensitization; Oocyte (*Xenopus laevis*); Phorbol ester; Phosphatidylinositol hydrolysis (Sakuta, H. (208) 41)

Protein kinase C
Smooth muscle; α_1-Adrenoceptor; Phospholipase C; Phospholipase D; Phorbol ester (Rapoport, R.M. (208) 89)

Dihydropyridine receptor; Ca^{2+} channels; Smooth muscle (venous) (Mironneau, C. (208) 223)

Desensitization; Sensitization; Muscarinic receptor (*Xenopus* oocyte); Phosphorylation; Dephosphorylation; Protein phosphatase 2B; Phorbol ester; Staurosporine; Trifluoperazine (Sakuta, H. (208) 297)

Protein kinase C (activation of)
α_1-Adrenoceptors; Smooth muscle (vascular); G-protein; Desensitization (agonist-induced) (Jagadeesh, G. (208) 163)

Protein phosphatase 2B
Desensitization; Sensitization; Muscarinic receptor (*Xenopus* oocyte); Phosphorylation; Dephosphorylation; Protein kinase C; Phorbol ester; Staurosporine; Trifluoperazine (Sakuta, H. (208) 297)

Radioligand binding
5-HT_{1A} receptors; α_2-Adrenoceptors; Frontal cortex (human); [^{3}H]Rauwolscine (De Vos, H. (208) 73)

1,4-Dihydropyridines; Ca^{2+} channel activator; Thermodynamics; Kinetics; Ca^{2+} (Zheng, W. (208) 137)

[^{3}H]Rauwolscine
5-HT_{1A} receptors; α_2-Adrenoceptors; Frontal cortex (human); Radioligand binding (De Vos, H. (208) 73)

Receptor localization
Angiotensin II receptor; Oocyte (*Xenopus laevis*); Phosphatidylinositol hydrolysis; Cl^- current; Fertilization potential (Sakuta, H. (208) 31)

Receptor upregulation
β-Adrenoceptors; Ageing; Adenylate cyclase; Liver; Propranolol (Conlon, D. (208) 323)

Recombinant receptor
Peripheral-type benzodiazepine receptor; Yeast; (Pharmacology) (Riond, J. (208) 307)

Renal papillary tubules
Inositol phosphates; Endothelin; Endothelin-3 (Woodcock, E.A. (208) 255)

Seminal vesicle membranes
VIP receptor antagonists; Adenylate cyclase (Rodríguez-Pena, M.S. (208) 207)

Sensitization
Desensitization; Muscarinic receptor (*Xenopus* oocyte); Phosphorylation; Dephosphorylation; Protein kinase C; Protein phosphatase 2B; Phorbol ester; Staurosporine; Trifluoperazine (Sakuta, H. (208) 297)

SH-SY5Y
IMR 32 human neuroblastoma cells; Muscarinic M_1, M_2, M_3 receptors; Ca^{2+} mobilization; Cyclic AMP (Heikkilä, J. (208) 9)

Sialogogues
α_1-Adrenoceptor; β_1-Adrenoceptor; Muscarinic acetylcholine receptor; cAMP; cGMP; Oxygen consumption; Parotid gland (rat) (Glenert, U. (208) 287)

Sinusoidal plasma membrane
Loop diuretics; Organic anions; Bumetanide (transport); Liver (rat); Photoaffinity labeling; Bile acid (Petzinger, E. (208) 53)

Smooth muscle
α_1-Adrenoceptor; Phospholipase C; Phospholipase D; Protein kinase C; Phorbol ester (Rapoport, R.M. (208) 89)

Smooth muscle (vascular)
Inositol 1,4,5-triphosphate; Angiotensin II; Spontaneously hypertensive rat (SHR) (Minami, M. (208) 93)

α_1-Adrenoceptors; G-protein; Desensitization (agonist-induced); Protein kinase C (activation of) (Jagadeesh, G. (208) 163)

Smooth muscle (venous)
Dihydropyridine receptor; Ca^{2+} channels; Protein kinase C (Mironneau, C. (208) 223)

Spermine
Glycine; N-Methyl-D-aspartate (NMDA); 1-Hydroxy-3-amino-pyrrolid-2-one (HA-966); Excitatory amino acids; Polyamines (Pullan, L.M. (208) 25)

Spinal cord
Endothelin; Endothelin receptor subtypes; Inositol phosphate; Vascular effects; Spleen; Kidney; Lung (Hemsén, A. (208) 313)

Spleen
Endothelin; Endothelin receptor subtypes; Inositol phosphate; Vascular effects; Kidney; Lung; Spinal cord (Hemsén, A. (208) 313)

Spontaneously hypertensive rat (SHR)
Inositol 1,4,5-triphosphate; Angiotensin II; Smooth muscle (vascular) (Minami, M. (208) 93)

Staurosporine
Angiotensin II receptor; Desensitization; Protein kinase; Oocyte (*Xenopus laevis*); Phorbol ester; Phosphatidylinositol hydrolysis (Sakuta, H. (208) 41)

Desensitization; Sensitization; Muscarinic receptor (*Xenopus* oocyte); Phosphorylation; Dephosphorylation; Protein kinase C; Protein phosphatase 2B; Phorbol ester; Trifluoperazine (Sakuta, H. (208) 297)

Steady state α_1-adrenoceptor mRNA levels
Aging; Ventricular muscle; Inotropic effect; α-Adrenoceptor stimulation; [^{3}H]Prazosin; Methoxamine; (F344 rat) (Kimball, K.A. (208) 231)

Stereoisomers
Diltiazem; Ca^{2+} channel (binding); Allosteric modulation; (+)-[^{3}H]PN200-110 (Ikeda, S. (208) 199)

Striatal neurons
Morphine exposure (chronic); μ Opioid receptors; Dopamine D_1 receptors; β-Adrenoceptors; Adenylate cyclase activity (Van Vliet, B.J. (208) 105)

Sulphonylureas
Free radical; Diabetes mellitus; Microangiopathy (Scott, N.A. (208) 175)

Sympathetic ganglia
Angiotensin receptor; Autoradiography; Guanine nucleotides; Inositol phosphates; Angiotensin receptor antagonist (Strömberg, C. (208) 331)

SZL 49
α_1-Adrenoceptors; Prazosin; Norepinephrine; Hippocampus; Liver (Mante, S. (208) 113)

Thermodynamics
1,4-Dihydropyridines; Ca^{2+} channel activator; Kinetics; Radioligand binding; Ca^{2+} (Zheng, W. (208) 137)

Thrombin
U937 cells; Platelets (human); Intracellular Ca^{2+}; Thromboxane B_2; Adenylate cyclase; Inositol trisphosphate (Joseph, S. (208) 149)

Thromboxane B_2
Thrombin; U937 cells; Platelets (human); Intracellular Ca^{2+}; Adenylate cyclase; Inositol trisphosphate (Joseph, S. (208) 149)

Trifluoperazine
Histamine; Histamine H_1 receptor; Phosphoinositide hydrolysis (Nakahata, N. (208) 265)

Desensitization; Sensitization; Muscarinic receptor (*Xenopus* oocyte); Phosphorylation; Dephosphorylation; Protein kinase C; Protein phosphatase 2B; Phorbol ester; Staurosporine (Sakuta, H. (208) 297)

U937 cells
Thrombin; Platelets (human); Intracellular Ca^{2+}; Thromboxane B_2; Adenylate cyclase; Inositol trisphosphate (Joseph, S. (208) 149)

Vascular effects
Endothelin; Endothelin receptor subtypes; Inositol phosphate; Spleen; Kidney; Lung; Spinal cord (Hemsén, A. (208) 313)

Ventricular muscle
Aging; Inotropic effect; α-Adrenoceptor stimulation; [^{3}H]Prazosin; Steady state α_1-adrenoceptor mRNA levels; Methoxamine; (F344 rat) (Kimball, K.A. (208) 231)

VIP receptor antagonists
Seminal vesicle membranes; Adenylate cyclase (Rodríguez-Pena, M.S. (208) 207)

Voltage clamp
Propofol; Na^+ channel; Brain (human); Lipid bilayer; (Mechanism of action) (Frenkel, C. (208) 75)

Voltage-clamp experiment
9-Amino-1,2,3,4-tetrahydroacridine (THA); Ion channels; Myelinated nerve fiber; Computer simulations; Alzheimer's disease (Elinder, F. (208) 1)

Yeast
Peripheral-type benzodiazepine receptor; Recombinant receptor; (Pharmacology) (Riond, J. (208) 307)